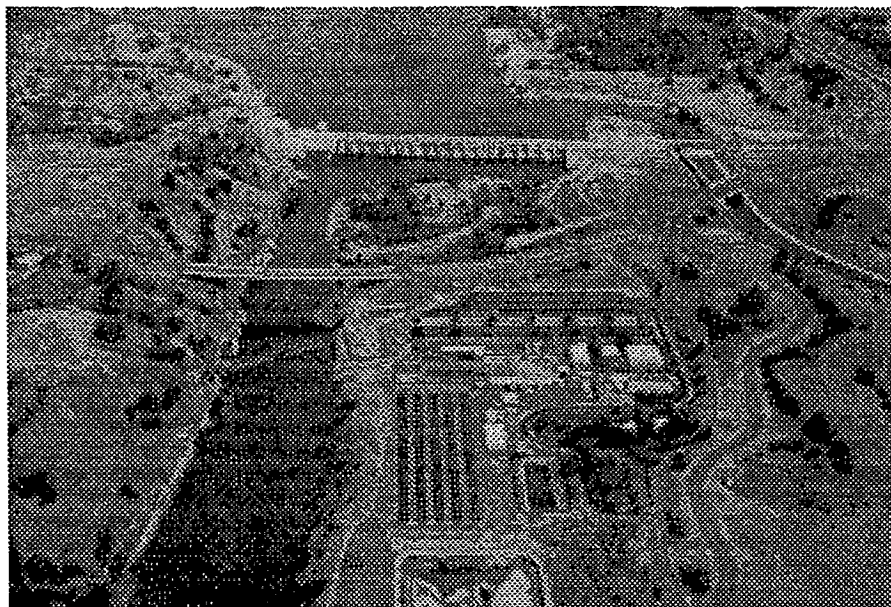


NIMBUS POWERPLANT



Nimbus Dam and Powerplant

Plant Contact: Thomas J. Aiken
Area Manager, Central California Area Office

Plant Address: Nimbus Powerplant
Folsom CA 95630-1799

Telephone Numbers: Phone: (916) 988-1707
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E-Mail Address: taiken@mp.usbr.gov

Reclamation Region: Mid-Pacific

NERC Region: Western Systems Coordinating Council, California-Southern Nevada Power Area

PMA Service Area: Western Area Power Administration, Sierra Nevada Region

Project Authorization: Funds for construction of the initial features of the Central Valley Project were provided by the Emergency Relief Appropriation Act of 1935 (49 Stat. 115). The Secretary of the Interior authorized the project and the President approved it on December 2, 1935.

Project Purposes: The Central Valley Project, one of the Nation's major water conservation developments, extends from the Cascade Range on the north to the semiarid but fertile plains along the Kern River on the south. Initial features of the project were built primarily to protect the Central Valley from crippling water shortages and menacing floods. New project units were built to provide water and power to match the continued growth of the State.

Although developed primarily for irrigation, this multiple-purpose project also provides flood control, improves Sacramento River navigation, supplies domestic and industrial water, generates electric power, conserves fish and wildlife, creates opportunities for recreation, and enhances water quality.

Plant Location: The Nimbus Powerplant is located on the American River in Sacramento County, California, 7 miles downstream from Folsom Dam. The powerplant is located on the right abutment of Nimbus Dam on the north side of the river.

Plant Facts: Nimbus Dam forms Lake Natoma to reregulate the releases for power made through Folsom Powerplant. Nimbus Dam is a concrete gravity structure 87 feet high and 28 feet wide at the crest. The crest is 1,093 feet long.

Plant Purpose: Nimbus Powerplant is a run-of-the-river plant and provides station service backup for Folsom Powerplant.

Present Activities: Normal operations. Maintain and regulate river releases.

Future Planned Activities: None

Special Issues: None

River: American River

Plant Type: Conventional

Powerhouse Type: Above Ground

Turbine Type: Kaplan

Original Nameplate Capacity: 13,500 kW

Installed Capacity: 13,500 kW

Year of Initial Operation: 1955

Age: 42 years

Net Generation: (FY 1996) 77,940,386 kWh

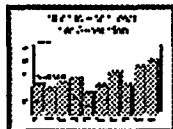
Rated Head: 20 feet

Plant Factor: 66.4 percent

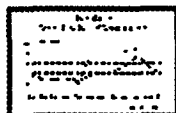
(FY 1996)

Remotely Operated: Yes

Production Mode: Base Load



Fiscal Year Net Generation



Monthly Net Generation



Generators



Workforce



Wholesale Firm Rate



Operation Costs



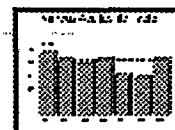
Maintenance Costs



O&M Costs



Production Costs



Availability Factor